

**LISTING OF CLAIMS**

1 – 42. (Canceled)

43. (Currently Amended) A composite wireless device comprising:

a shell having non-wireless hardware components, shell memory, and system software, wherein the system software includes an operating system, software drivers, and one or more software applications that register with the operating system and request wireless service, and wherein the shell memory stores

a default shell service array including one or more elements, each element representing a wireless service and having a value specifying a level of support by the shell for the respective wireless service under a current hardware configuration, and

a registration list including registration information for the one or more registered software applications, the registration information containing an identifier for each software application correlated with a respective identifier of a wireless service requested by the respective software application; and

a cartridge removably coupled to the shell through an interface and having wireless hardware components, and cartridge memory storing a cartridge service array providing support level information for one or more wireless services supported by the cartridge, and call processing software to communicate with the system software and to allow access to a wireless communication service supported by the cartridge upon coupling of the cartridge with the shell, ~~wherein the call processing software informs the shell which wireless services it supports as well as the shell support requirements of the supported wireless services;~~ wherein

the system software of the shell ~~uses the service array to determine, through a comparison operation performed in one of the shell or the cartridge,~~ transmits the default shell service array to the cartridge, which then compares the default shell service array to the cartridge service array to determine whether the shell is able to meet the shell supports the requirements of the cartridge supported wireless services, and then uses the registration information and wherein the cartridge modifies the default shell service array to include supported wireless services as a result of the comparison operation to generate a final service

array that indicates to the shell which wireless services are supported by the shell and cartridge as a unit, and further wherein the system software uses the final service array to determine whether any of the wireless services supported by both the cartridge and the shell are requested by any software application through the registration list and notifies any software application that requested a supported wireless service that the service is presently available.

44. (Previously Presented) The device of claim 43 wherein the non-wireless hardware components are selected from the group consisting of keypad, graphic display element, battery, speaker, and microphone.

45. (Previously Presented) The device of claim 44 wherein the wireless hardware components are selected from the group consisting of baseband circuit, radio frequency component, and antenna.

46. (Previously Presented) The device of claim 43 wherein each application registers for at least one wireless service through a registration process that comprises:

assigning the application a client identification number;  
storing the client identification number in a service request list; and  
communicating with the application through a function return call.

47. (Previously Presented) The device of claim 46 wherein the shell includes a sub-routine to determine if a selected application software is operable with the supported wireless communication service by receiving the wireless service identifier from the application software regarding which wireless communication service is to be used based on the registration, and to compare the wireless service identifier with an identifier provided by the call-processing software, and further to notify the application software that an identified wireless service is available.

48. (Canceled)

49. (Currently Amended) The device of claim 43 wherein each element of the service array comprises an integer ~~value~~, and wherein the value of the integer determines a level of support for a wireless service by the hardware and software resources of the shell, and further wherein the position of the ~~value~~ integer in the list reflects a specific wireless service.

50 - 51. (Canceled)

52. (Currently Amended) The ~~method~~ device of claim 43 ~~67~~ wherein the non-wireless hardware components are selected from the group consisting of keypad, graphic display element, battery, speaker, and microphone, and wherein the wireless hardware components are selected from the group consisting of baseband circuit, radio frequency component, and antenna.

53. (Currently Amended) The ~~method~~ device of claim 52 wherein each application registers for at least one wireless service through a registration process that comprises:

- assigning the application a client identification number;
- storing the client identification number in a service request list; and
- communicating with the application through a function return call.

54 -59. (Canceled)

60. (Currently Amended) The device of claim 43 wherein, in the event that the system software of the shell does not recognize a wireless service that the cartridge supports, the service array is expanded to form the final service array that includes an additional element that represents the new wireless service.

61. (Currently Amended) The device of claim ~~58~~ 67 wherein the shell further expands the registration information to include the new wireless service in the event that the system software does not recognize the wireless service.

62 - 66. (Canceled)

67. (New) A composite wireless device comprising:

a shell having non-wireless hardware components, shell memory, and system software, wherein the system software includes an operating system, software drivers, and one or more software applications that register with the operating system and request wireless service, and wherein the shell memory stores

a default shell service array including one or more elements, each element representing a wireless service and having a value specifying a level of support by the shell for the respective wireless service under a current hardware configuration, and

a registration list including registration information for the one or more registered software applications, the registration information containing an identifier for each software application correlated with a respective identifier of a wireless service requested by the respective software application; and

a cartridge removably coupled to the shell through an interface and having wireless hardware components and cartridge memory storing a cartridge service array providing support level information for one or more wireless services supported by the cartridge, and call-processing software to communicate with the system software and allow access to a wireless communication service supported by the cartridge upon coupling of the cartridge with the shell, and to transmit the cartridge service array to the shell; wherein

the system software of the shell compares the cartridge service array to the default shell service array to determine whether any of the wireless services supported by both the cartridge and the shell are requested by any software application through the registration list, and wherein the cartridge modifies the default shell service array to include supported wireless services as a result of the comparison operation to generate a final service array that indicates to the shell which wireless services are supported by the shell and the cartridge as a unit, and further wherein the system software uses the final service array to notify any software application that requested a supported wireless service that the service is presently available.

68. (New) The device of claim 43 further comprising:

a memory storage bin stored in at least one of the shell memory and the cartridge memory and storing defined subscriber identification information associated with the device;  
and

a subscriber transfer object maintained by the shell for transferring subscriber information through the cartridge to a communication network accessed by the wireless service provided by the cartridge.

69. (New) The device of claim 67 further comprising:

a memory storage bin stored in at least one of the shell memory and the cartridge memory and storing defined subscriber identification information associated with the device;  
and

a subscriber transfer object maintained by the shell for transferring subscriber information through the cartridge to a communication network accessed by the wireless service provided by the cartridge.